

(1) a catalyst bed for reacting ammonia and hydrocarbons therein;

(2) a dilute phase of the catalyst bed disposed above the catalyst bed;

(3) a set of internals disposed at least partially within the dilute phase of the catalyst bed; and

(b) removing the unreacted ammonia from the effluent of the catalyst bed by passing the effluent through the set of internals, wherein the ammonia and hydrocarbons present in the effluent contact the dilute phase of the catalyst bed and react therein.--

## REMARKS

Entry of the foregoing and examination of the above-identified application, as amended, are respectfully requested.

By the above amendments, Claims 1-4 have been canceled and replaced with new Claims 5-9, directed to processes for removing unreacted ammonia from an effluent of a catalyst bed used in a hydrocarbon ammoxidation reaction. Support for new

Claims 5-9 can be found in the specification at least from  
page 4, line 18 to page 6, line 19, and at page 8, lines 8-12.

Early and favorable consideration of the application is  
respectfully requested. If there are any questions concerning  
this paper or the application in general, the Examiner is  
invited to telephone the undersigned at the below-listed  
number.

Respectfully submitted,

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